

What is claimed is:

1. A method of forming an image using a CMOS image sensor comprising:
10 capturing a plurality of frames using said image sensor;
identifying a reference point in each of said plurality of images;
aligning said plurality of frames using said reference point; and
combining said plurality of frames into said image.
- 15 2. The method of Claim 1 wherein said combining is an arithmetic combination of
like pixels in said plurality of images.
3. The method of Claim 1 wherein each of said plurality of images are captured
using substantially the same exposure time.
- 20 4. A method of forming a high dynamic range image using a CMOS image sensor
comprising:
capturing a first frame using said image sensor;
storing said first frame in a frame memory;
25 identifying a reference point in said first frame;
capturing a second frame using said image sensor;
aligning said second frame to said first using said reference point; and
adding said second frame to said first frame in said frame memory.

5 5. The method of Claim 4 wherein additional frames are captured by said image sensor, aligned using said reference point, and added to said frame memory.

6. The method of Claim 4 wherein said adding is an arithmetic combination of like pixels in said first and second frames.

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7. The method of Claim 4 wherein each of said first and second frames are captured using substantially the same exposure time.